

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW012822\  
 Data File : VW024502.D  
 Acq On : 28 Jan 2022 21:31  
 Operator : SY/MD  
 Sample : N1328-12 100X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COHN1

Quant Time: Jan 29 03:54:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jan 29 03:50:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 101428   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 110467   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 50853    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 39768    | 4.475    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.600%  |
| 7) Chloroethane-d5            | 1.567  | 69    | 43640    | 5.630    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 112.600% |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 69073    | 4.067    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.400%  |
| 20) 2-Butanone-d5             | 3.902  | 46    | 81520    | 57.562   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.120% |
| 24) Chloroform-d              | 4.352  | 84    | 94733    | 5.618    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 112.400% |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 46674    | 6.112    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 122.200% |
| 32) Benzene-d6                | 5.053  | 84    | 161314   | 4.890    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 56802    | 5.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 109.400% |
| 41) Toluene-d8                | 7.316  | 98    | 123192   | 4.070    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.400%  |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 16176    | 4.534    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.600%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 67458    | 55.302   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 110.600% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 35560    | 5.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 115.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 45542    | 5.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.243  | 50    | 643      | 0.062    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.310  | 62    | 757      | 0.073    | ug/L # | 1        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 714      | 0.089    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 3269     | 0.429    | ug/L # | 1        |
| 18) trans-1,2-Dichloroethene  | 2.770  | 96    | 458      | 0.063    | ug/L   | 82       |
| 19) 1,1-Dichloroethane        | 3.194  | 63    | 9308     | 0.683    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 56201    | 7.651    | ug/L   | 82       |
| 25) Chloroform                | 4.381  | 83    | 4493     | 0.290    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97    | 825      | 0.064    | ug/L # | 56       |
| 34) Trichloroethene           | 5.921  | 95    | 6520     | 0.780    | ug/L   | 89       |
| 35) Methylcyclohexane         | 6.072  | 83    | 13782    | 1.118    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 6682     | 0.920    | ug/L # | 84       |
| 38) Bromodichloromethane      | 6.516  | 83    | 651      | 0.066    | ug/L # | 81       |
| 44) trans-1,3-Dichloropropene | 7.625  | 75    | 739      | 0.091    | ug/L # | 46       |
| 45) 1,1,2-Trichloroethane     | 7.972  | 97    | 1603     | 0.326    | ug/L # | 1        |
| 47) Tetrachloroethene         | 7.976  | 164   | 184972   | 28.096   | ug/L   | 94       |
| 49) Dibromochloromethane      | 7.976  | 129   | 171570   | 28.069   | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.252 | 75    | 6650     | 2.110    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012822\  
Data File : VV024502.D  
Acq On : 28 Jan 2022 21:31  
Operator : SY/MD  
Sample : N1328-12 100X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COHN1

Quant Time: Jan 29 03:54:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012622WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Jan 29 03:50:16 2022  
Response via : Initial Calibration

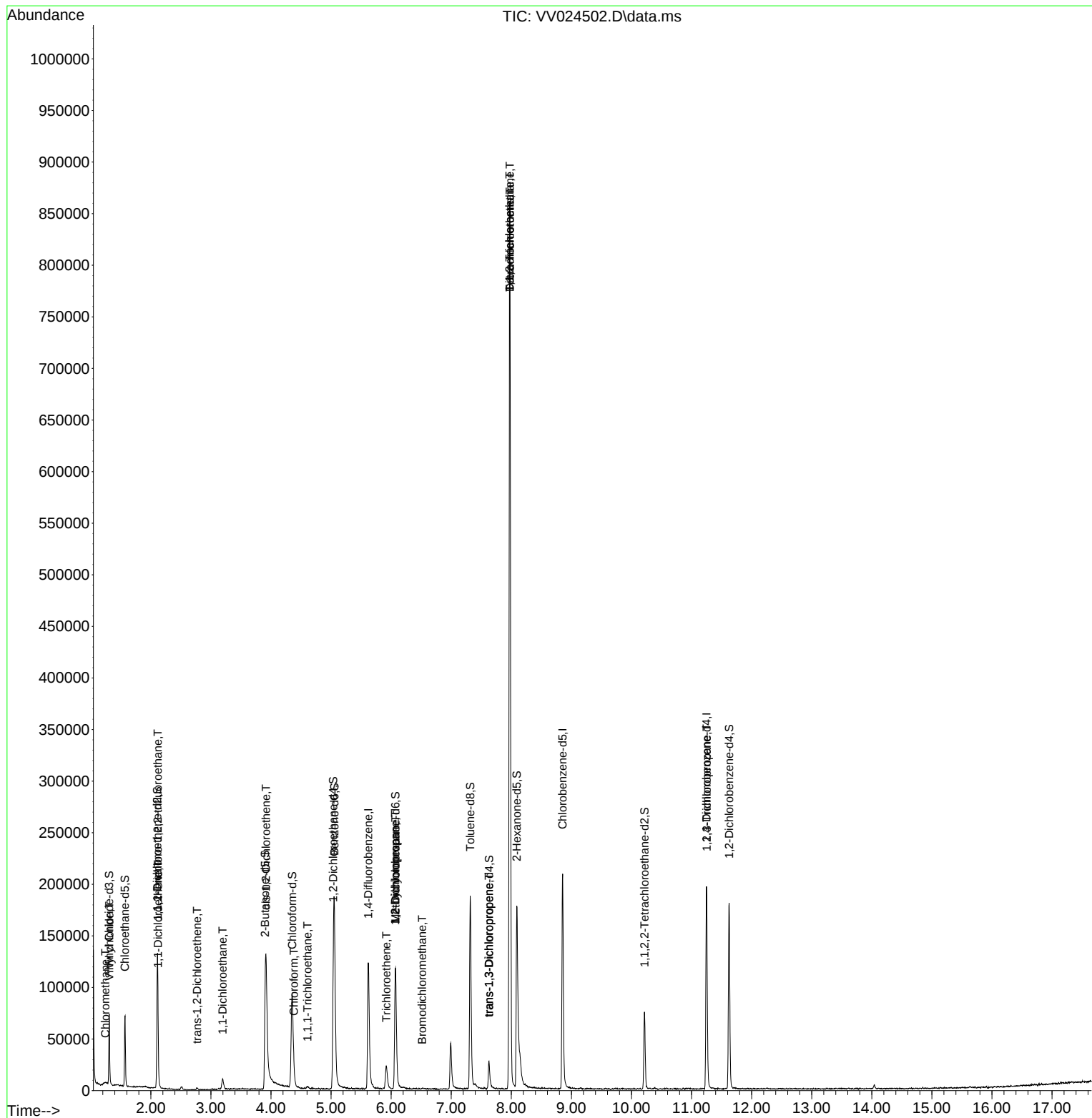
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

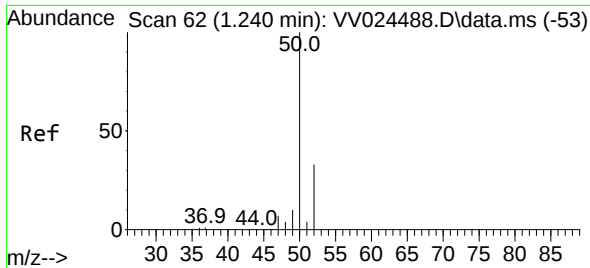
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012822\  
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QLast Update : Sat Jan 29 03:50:16 2022  
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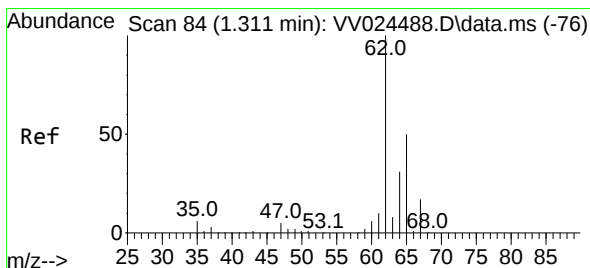
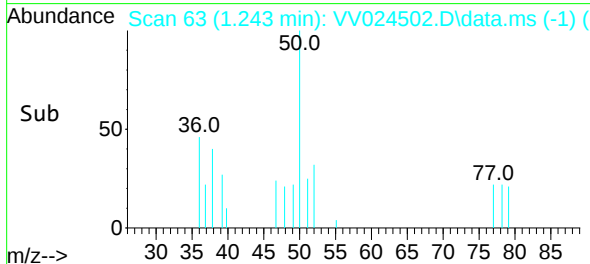
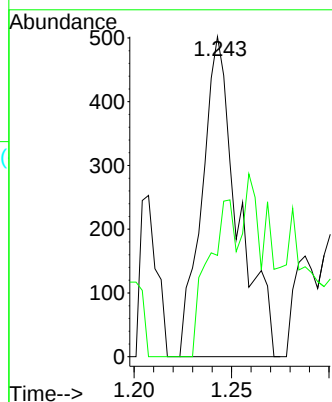
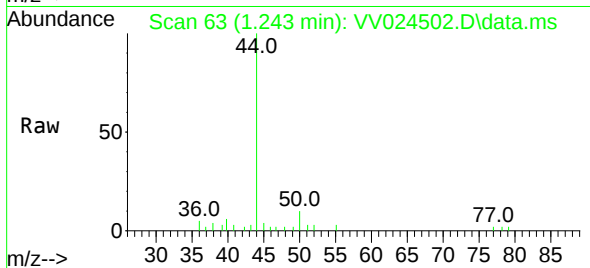




#3  
Chloromethane  
Concen: 0.062 ug/L  
RT: 1.243 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

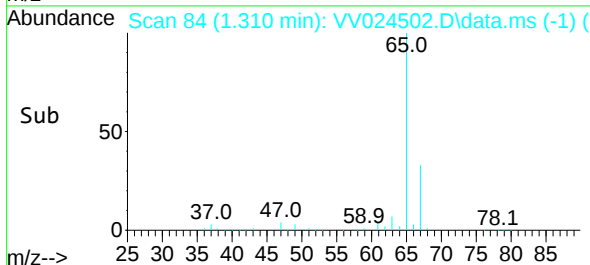
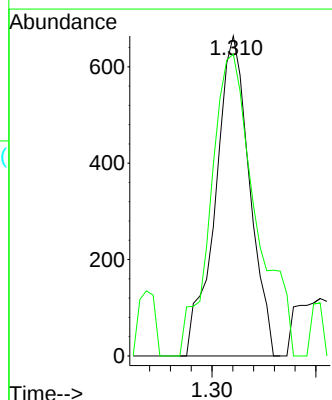
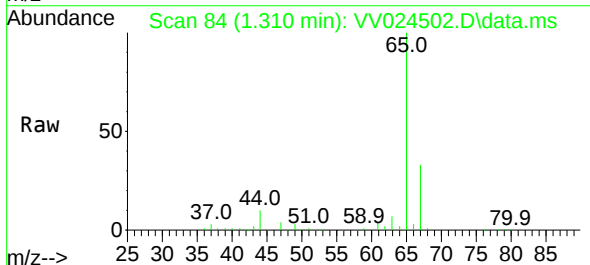
Instrument :  
MSVOA\_V  
ClientSampleId :  
COHN1

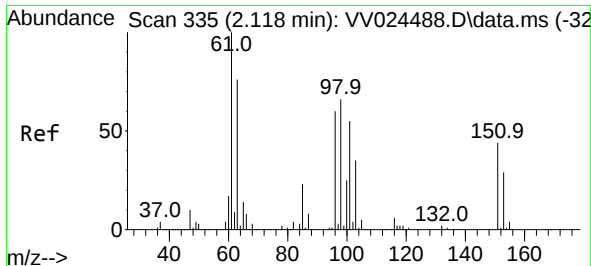
Tgt Ion: 50 Resp: 643  
Ion Ratio Lower Upper  
50 100  
52 31.7 22.0 41.0



#5  
Vinyl chloride  
Concen: 0.073 ug/L  
RT: 1.310 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

Tgt Ion: 62 Resp: 757  
Ion Ratio Lower Upper  
62 100  
64 94.3 22.4 41.6#

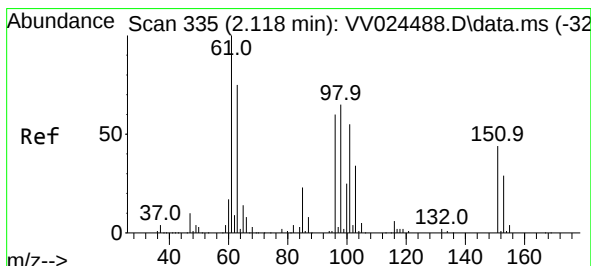
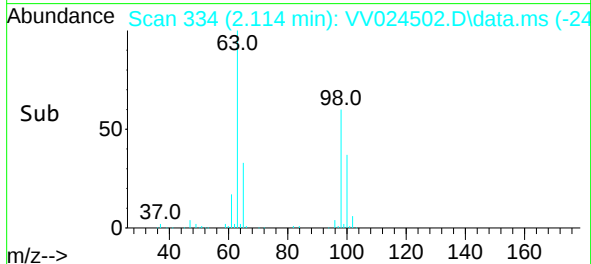
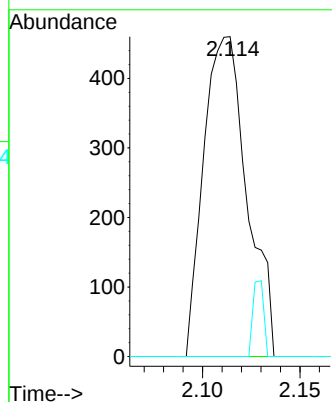
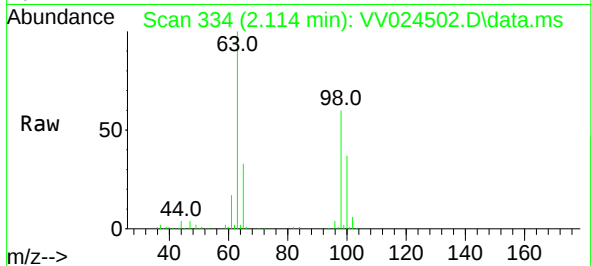




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.089 ug/L  
 RT: 2.114 min Scan# 311  
 Delta R.T. -0.003 min  
 Lab File: VV024502.D  
 Acq: 28 Jan 2022 21:31

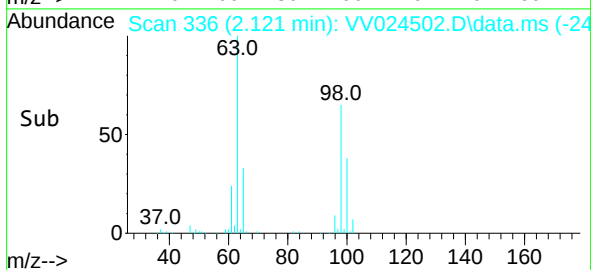
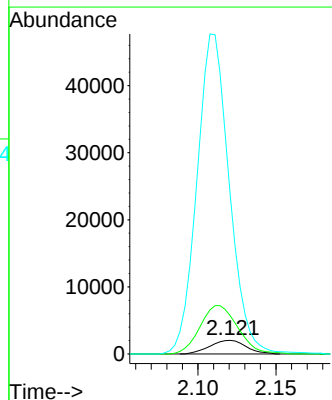
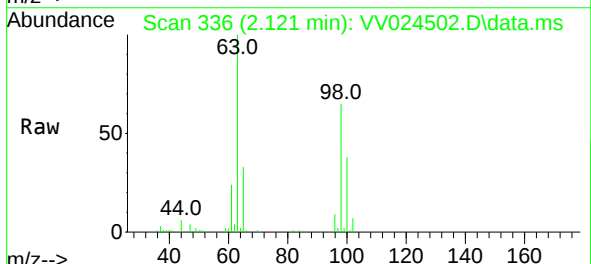
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COHN1

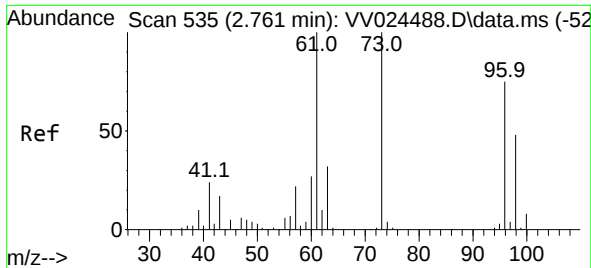
Tgt Ion:101 Resp: 714  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 36.0 54.0#  
 151 5.9 66.4 99.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.429 ug/L  
 RT: 2.121 min Scan# 336  
 Delta R.T. 0.003 min  
 Lab File: VV024502.D  
 Acq: 28 Jan 2022 21:31

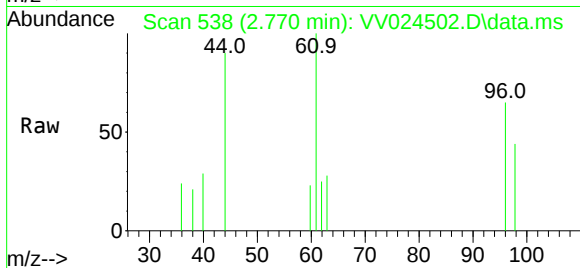
Tgt Ion: 96 Resp: 3269  
 Ion Ratio Lower Upper  
 96 100  
 61 281.0 116.1 215.5#  
 63 1171.6 79.4 147.4#





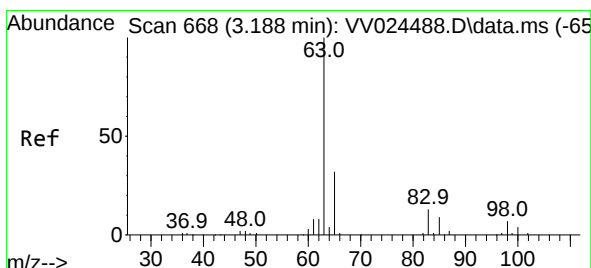
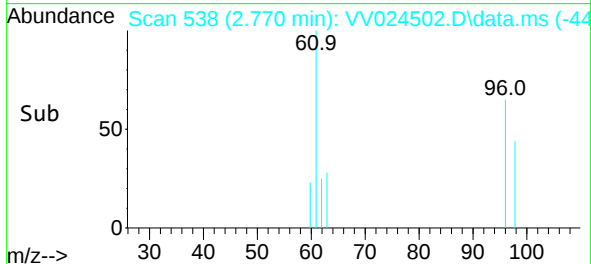
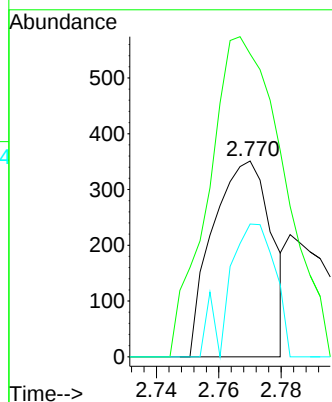
#18  
trans-1,2-Dichloroethene  
Concen: 0.063 ug/L  
RT: 2.770 min Scan# 51  
Delta R.T. 0.009 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

Instrument :  
MSVOA\_V  
ClientSampleId :  
COHN1



Tgt Ion: 96 Resp: 458

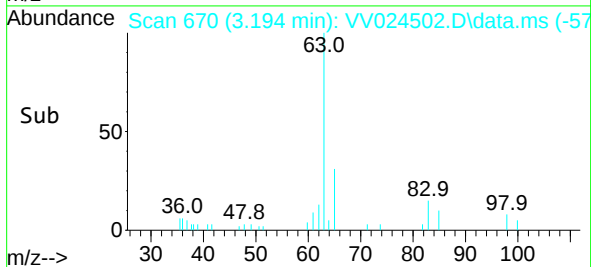
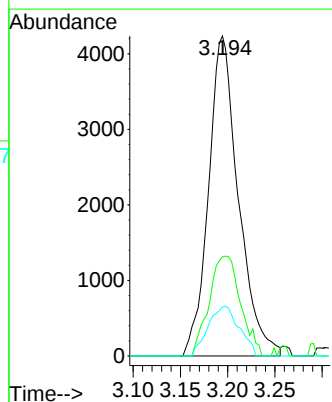
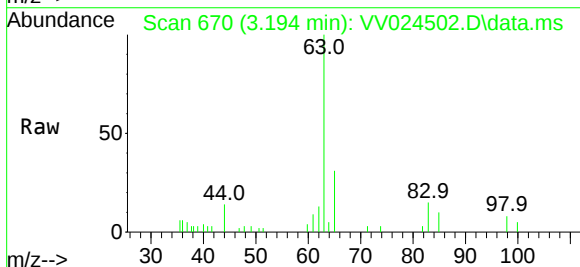
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 154.7 | 88.2  | 163.8 |
| 98  | 67.8  | 44.9  | 83.5  |

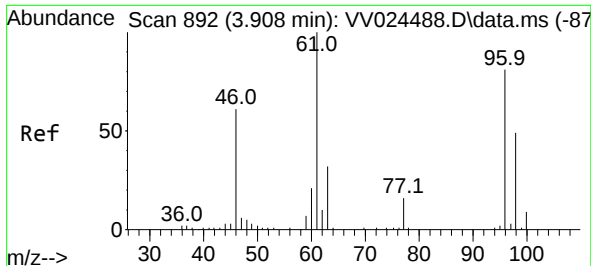


#19  
1,1-Dichloroethane  
Concen: 0.683 ug/L  
RT: 3.194 min Scan# 670  
Delta R.T. 0.006 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

Tgt Ion: 63 Resp: 9308

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 30.9  | 22.3  | 41.3  |
| 83  | 15.3  | 10.7  | 19.9  |





#22

cis-1,2-Dichloroethene

Concen: 7.651 ug/L

RT: 3.915 min Scan# 89

Delta R.T. 0.006 min

Lab File: VV024502.D

Acq: 28 Jan 2022 21:31

Instrument :

MSVOA\_V

ClientSampleId :

COHN1

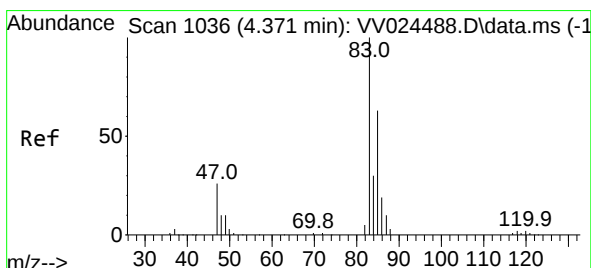
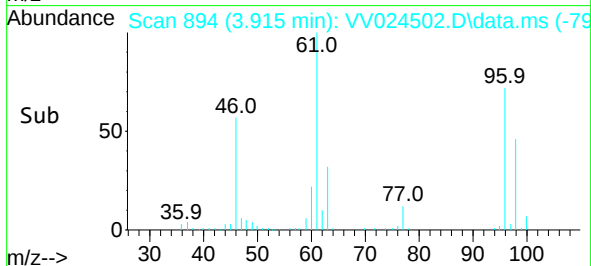
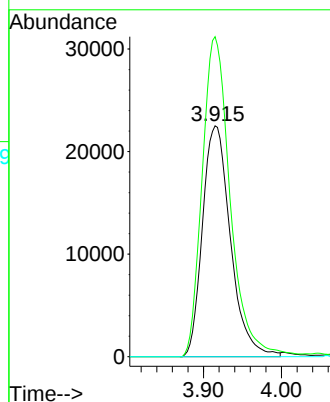
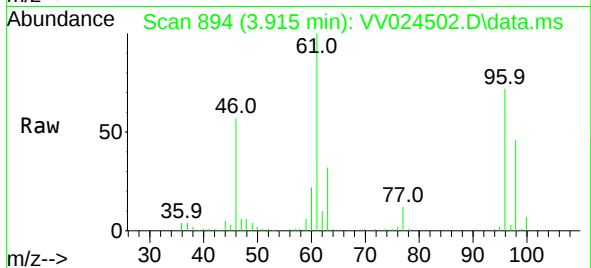
Tgt Ion: 96 Resp: 56201

Ion Ratio Lower Upper

96 100

61 138.6 83.4 154.8

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.290 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.009 min

Lab File: VV024502.D

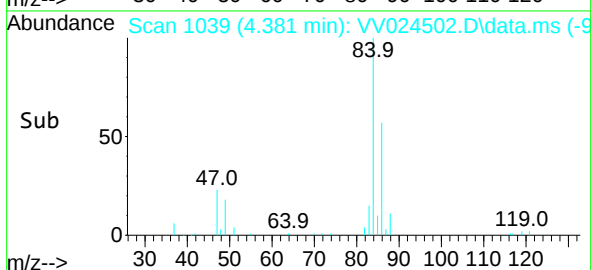
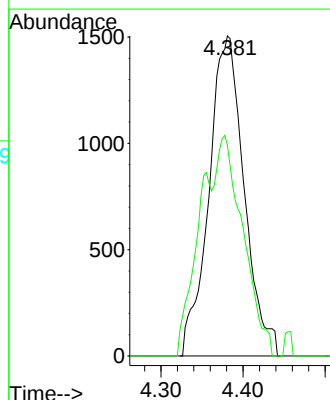
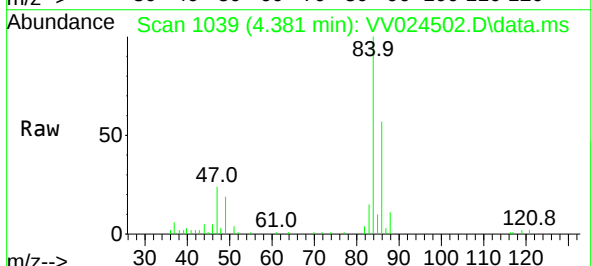
Acq: 28 Jan 2022 21:31

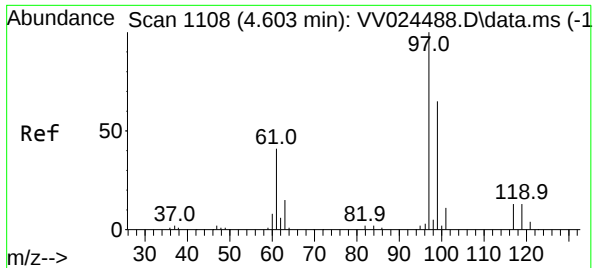
Tgt Ion: 83 Resp: 4493

Ion Ratio Lower Upper

83 100

85 65.8 45.2 84.0





#29

1,1,1-Trichloroethane

Concen: 0.064 ug/L

RT: 4.606 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV024502.D

Acq: 28 Jan 2022 21:31

Instrument :

MSVOA\_V

ClientSampleId :

COHN1

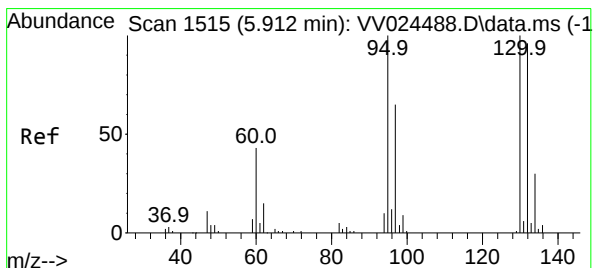
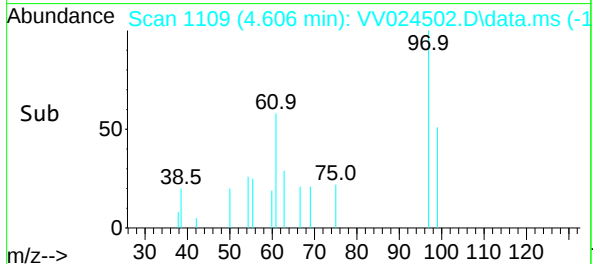
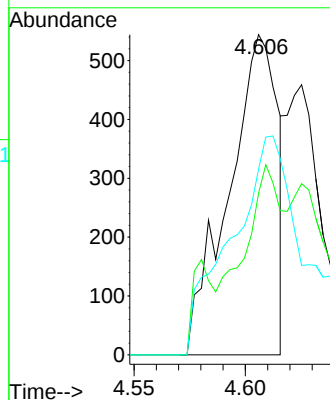
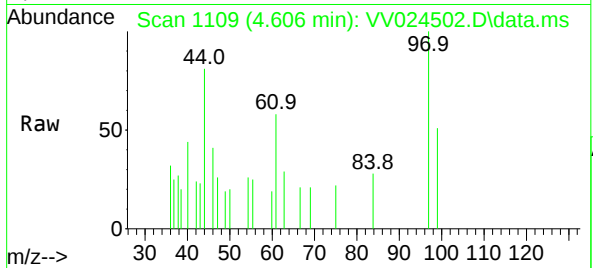
Tgt Ion: 97 Resp: 825

Ion Ratio Lower Upper

97 100

99 50.8 51.9 77.9#

61 95.2 33.2 49.8#



#34

Trichloroethene

Concen: 0.780 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.009 min

Lab File: VV024502.D

Acq: 28 Jan 2022 21:31

Tgt Ion: 95 Resp: 6520

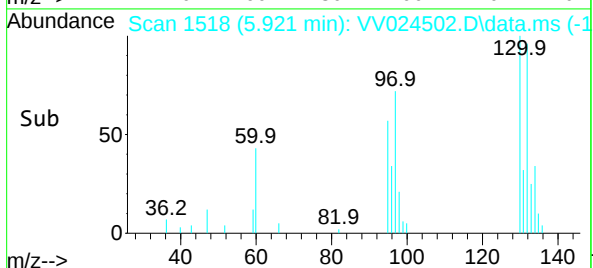
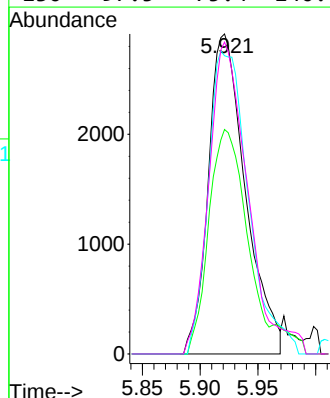
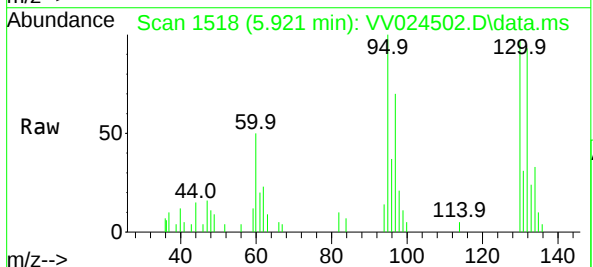
Ion Ratio Lower Upper

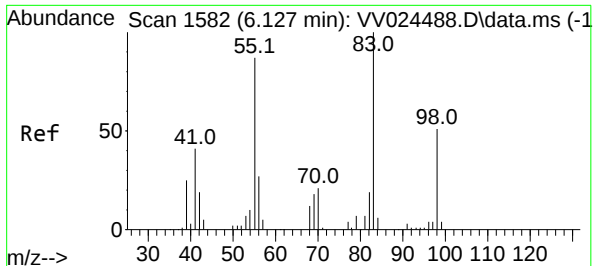
95 100

97 70.2 45.2 84.0

132 93.2 76.1 141.3

130 97.5 75.4 140.0

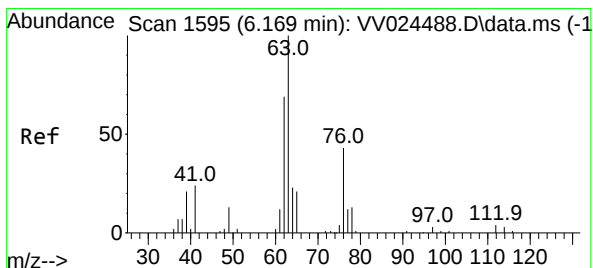
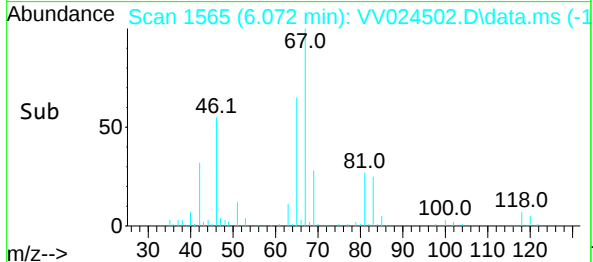
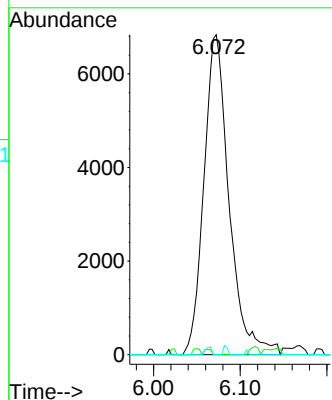
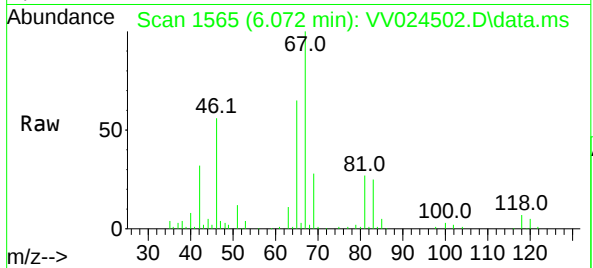




#35  
Methylcyclohexane  
Concen: 1.118 ug/L  
RT: 6.072 min Scan# 11  
Delta R.T. -0.055 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

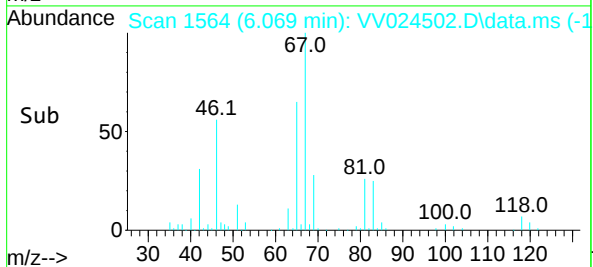
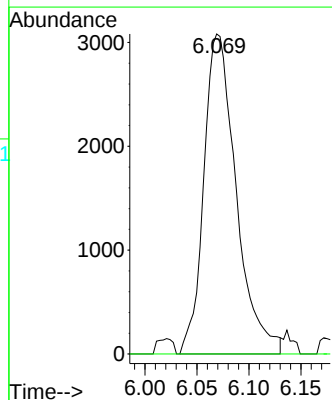
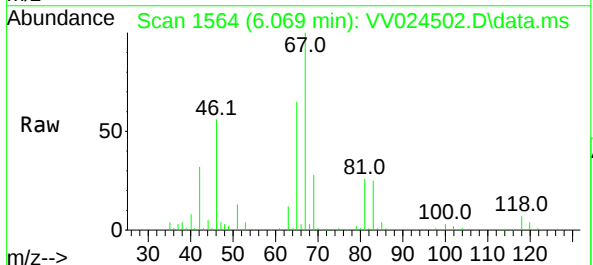
Instrument :  
MSVOA\_V  
ClientSampleId :  
COHN1

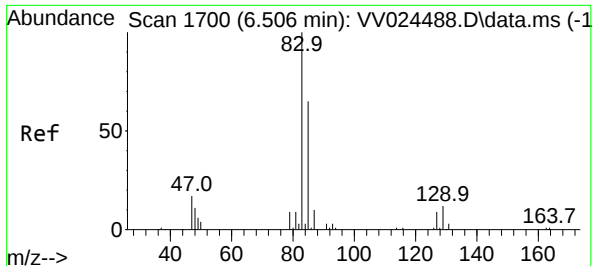
Tgt Ion: 83 Resp: 13782  
Ion Ratio Lower Upper  
83 100  
55 0.8 60.2 90.2#  
98 0.5 41.0 61.4#



#37  
1,2-Dichloropropane  
Concen: 0.920 ug/L  
RT: 6.069 min Scan# 1564  
Delta R.T. -0.100 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

Tgt Ion: 63 Resp: 6682  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.3 6.5#

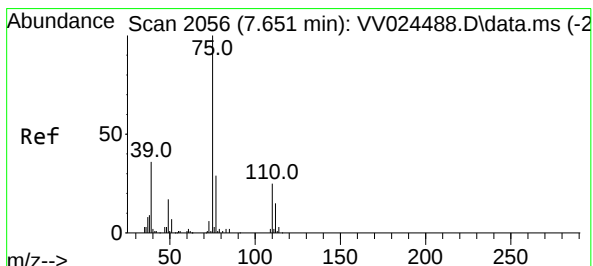
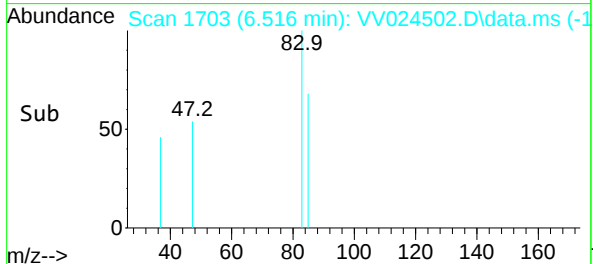
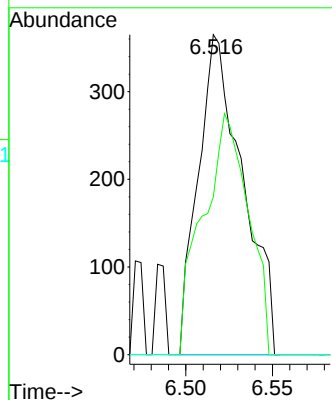
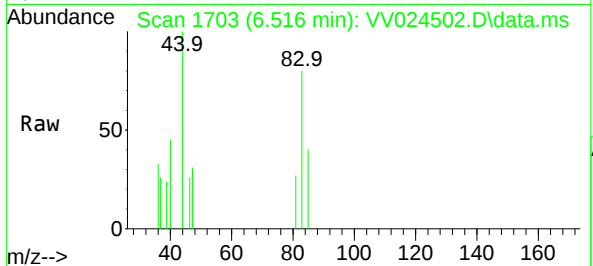




#38  
Bromodichloromethane  
Concen: 0.066 ug/L  
RT: 6.516 min Scan# 11  
Delta R.T. 0.009 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

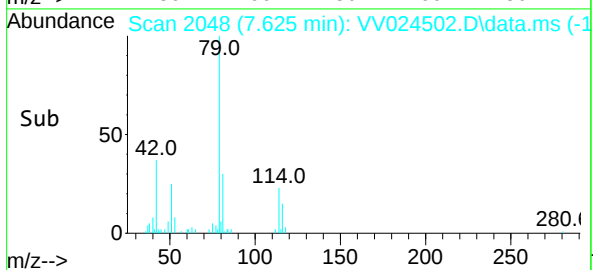
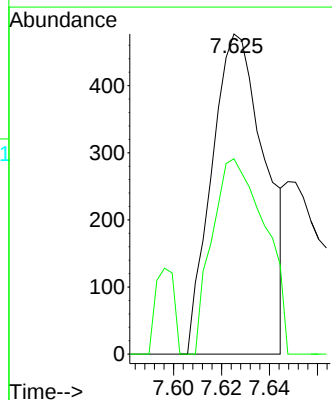
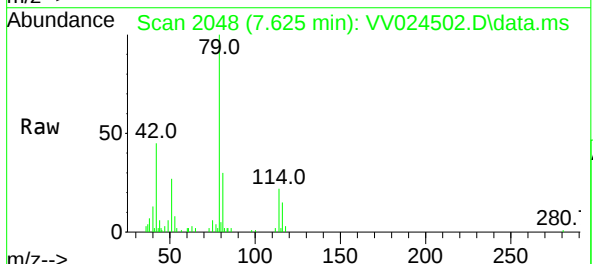
Instrument :  
MSVOA\_V  
ClientSampleId :  
COHN1

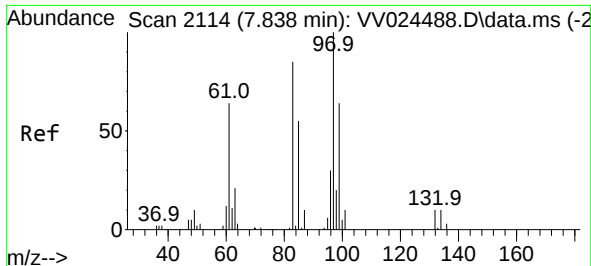
Tgt Ion: 83 Resp: 651  
Ion Ratio Lower Upper  
83 100  
85 49.3 44.0 81.8  
127 0.0 8.6 12.8#



#44  
trans-1,3-Dichloropropene  
Concen: 0.091 ug/L  
RT: 7.625 min Scan# 2048  
Delta R.T. -0.026 min  
Lab File: VV024502.D  
Acq: 28 Jan 2022 21:31

Tgt Ion: 75 Resp: 739  
Ion Ratio Lower Upper  
75 100  
77 61.0 21.8 40.4#





#45

1,1,2-Trichloroethane

Concen: 0.326 ug/L

RT: 7.972 min Scan# 2114

Delta R.T. 0.135 min

Lab File: VV024502.D

Acq: 28 Jan 2022 21:31

Instrument :

MSVOA\_V

ClientSampleId :

COHN1

Tgt Ion: 97 Resp: 1603

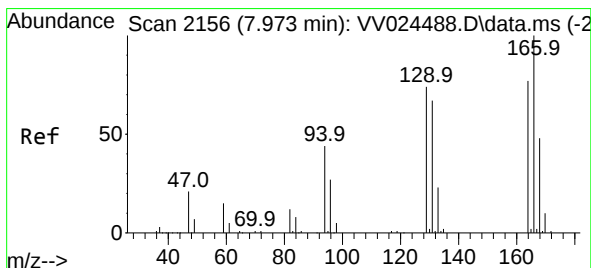
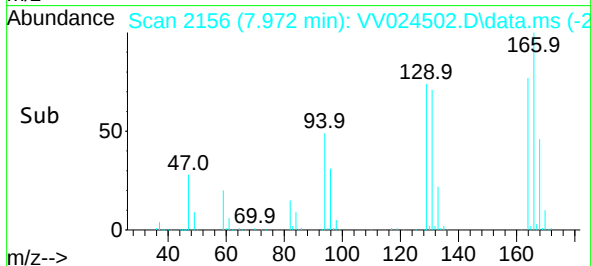
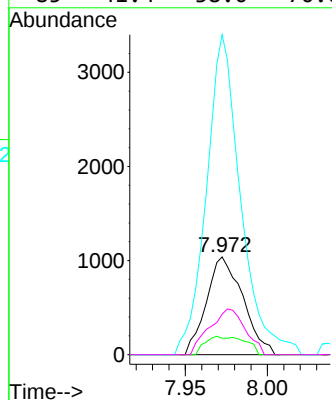
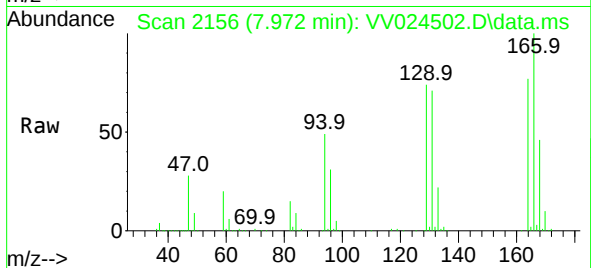
Ion Ratio Lower Upper

97 100

99 16.9 43.1 80.1#

83 327.6 57.9 107.5#

85 41.4 38.0 70.6



#47

Tetrachloroethene

Concen: 28.096 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024502.D

Acq: 28 Jan 2022 21:31

Tgt Ion:164 Resp: 184972

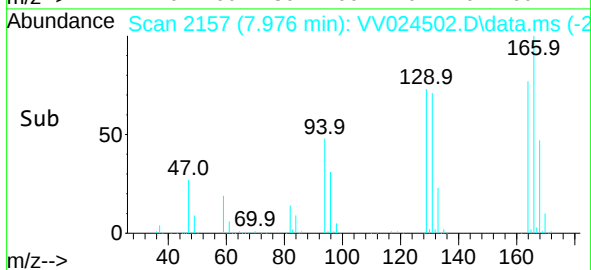
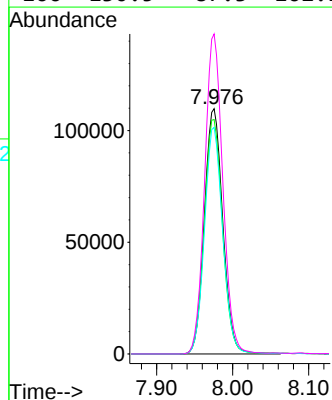
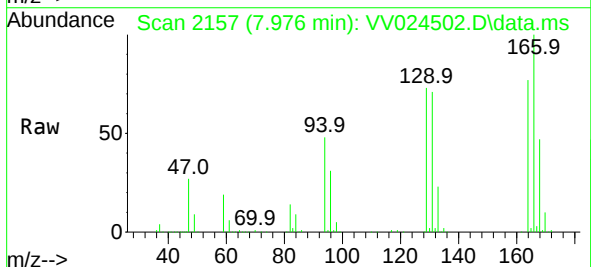
Ion Ratio Lower Upper

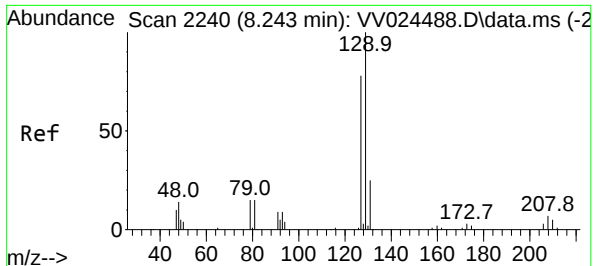
164 100

129 95.6 62.6 116.2

131 92.4 61.0 113.4

166 130.5 87.3 162.1





#49

Dibromochloromethane

Concen: 28.069 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV024502.D

Acq: 28 Jan 2022 21:31

Instrument :

MSVOA\_V

ClientSampleId :

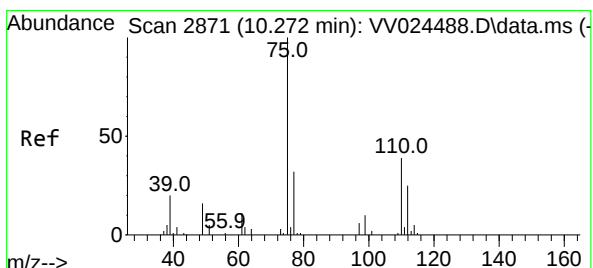
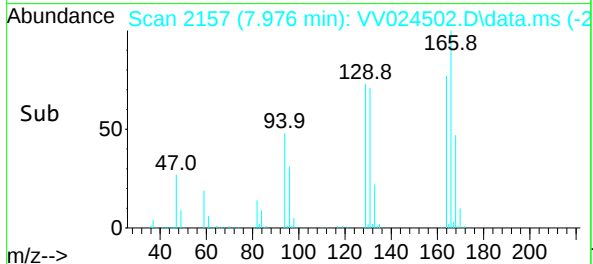
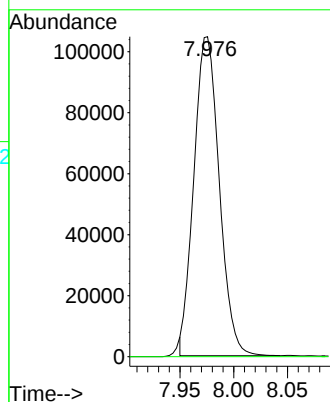
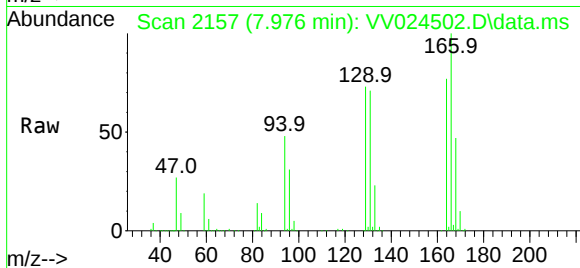
COHN1

Tgt Ion:129 Resp: 171570

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 2.110 ug/L

RT: 11.252 min Scan# 3176

Delta R.T. 0.980 min

Lab File: VV024502.D

Acq: 28 Jan 2022 21:31

Tgt Ion: 75 Resp: 6650

Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6

110 0.3 34.2 51.2#

